

GOVERNMENT OF TRIPURA  
OFFICE OF THE CHIEF ENGINEER  
DEPARTMENT OF AGRICULTURE,  
AGARTALA, TRIPURA.

HISTORY SHEET

Revised Estimate T.S No: - 18 CE/AGRI/DA/MGNREGA/TS/2015-16 DT, 14/01/2016.

Name of work:- MODEL ESTIMATE FOR CONST. OF WATER STORAGE STRUCTURE ON GROUND WITH U. V. FLIME OVER BRICK LINING WORK AT DIFFERENT PLACES IN TRIPURA UNDER MGNREGA DURING 2015-16..

Department: - Agriculture.

Scheme: - MGNREGA.

Administrative Approval & Expenditure Sanction given:- As per communication of concern DM & Collector.

Fund available/Not available: - Fund available under MGNREGA

Mention reference on which estimate is prepared:- As per discussion held in the Monthly Review Meeting for Agriculture, Horticulture & Agri. Engineering Wing held on 18/12/2015 at Bhagat Sing conference hall, Agartala.

Estimate is revised:- Yes.

If yes, mention the earlier T.S. No: - 15/CE/Agri/DA/MGNREGA/TS/2015-16 dated, 06.01.2016

If yes, brief description of such revision of estimate:-

Report:-

This estimate has been prepared as per discussion held in the Monthly Review Meeting for Agriculture, Horticulture & Agri. Engineering Wing held on 18/12/2015 at Bhagat Sing conference hall, Agartala. All necessary items has been included in the estimate based on RD current approved rate (HPC approved), beside this 3% contingency and 1% labour cess are considered in the estimate.

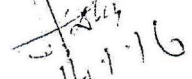
Estimated cost:- Rs.70,000.00 (Rupees Seventy thousand) only


Method: - Departmental Execution.

Availability of site: - As per proposal given by PRI Body.

Time of completion : - 15 (fifteen) days.

  
Junior Engineer  
Department of Agriculture

  
Executive Engineer  
Department of Agriculture

  
Superintending Engineer  
Department of Agriculture

  
Chief Engineer  
Department of Agriculture

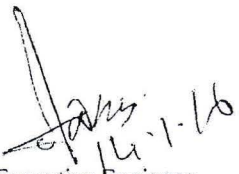
**NAME OF THE WORK:-** MODEL ESTIMATE FOR CONST. OF WATER STORAGE STRUCTURE ON GROUND WITH U. V. FLIME OVER BRICK LINING WORK AT DIFFERENT PLACES IN TRIPURA UNDER MGNREGA DURING 2015-16.

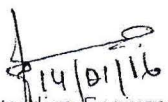
**ANNEXURE-III**

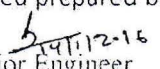
Requirement of Materials /Labour component and fund for the work.

SL. NO	DESCRIPTION	UNIT	REQUIREMENT AS PER ANNEXURE-II	COST PER UNIT.	COST OF WORK(Rs.)
1	2	3	4	5	6
1.	Cement	Bag	2.5	327.00	818.00
2.	1 <sup>st</sup> class brick	1000 Nos.	4221	7750.00	32,713.00
3.	Course sand	cum	0.31	445.00	138.00
4.	500 Micron UV Flime	Sqmt.	152	101.20	15,382.00
<b>LABOURS</b>					
1.	U.S	Nos.	74 Nos.	189.00	13,986.00
2.	S. K	Nos.	17 Nos.	254.00	4,318.00
	<b>Total</b>				<b>Rs.67,355.00</b>

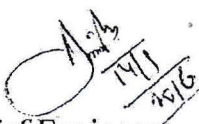
Add:- 1% for labour Cess = 674.00  
 Add:- 3 % Contingency = Rs.2021.00  
**Rs.70,050.00**  
 Say Rs.70,000.00

  
 Executive Engineer  
 O/O the superintending Engineer  
 Department of Agriculture

  
 Superintending Engineer  
 O/O the Chief Engineer  
 Department of Agriculture

Estimated prepared by  
  
 Junior Engineer

Revised Estimate T.S No 18 /CE/AGRI/DA/MGMNREGA.TS 2015-16 dated. 14/01 2016  
 Technically approved for amounting to Rs. 70,000/- (Rupees seventy thousand) only including labour cess and 3 % contingency.

  
 Chief Engineer,  
 Department of Agriculture

**NAME OF THE WORK:-MODEL ESTIMATE FOR CONST. OF WATER STORAGE STRUCTURE ON GROUND WITH U. V. FLIME OVER BRICK LINING WORK AT DIFFERENT PLACES IN TRIPURA UNDER MGNREGA DURING 2015-16.**

**ANNEXURE-II**

Sl No	Description	Activity	Materials	Labour
1	Earth work in excavation over areas exceeding 30 cm in depth 1.5 m in width as well as 10 sq. m on plant including disposal of excavated earth lead upto 50 m and lift upto 1.5m disposed Earth to be leveled and neatly dressed. a. Ordinary Soil.	$\frac{1}{2} \{(13.20 \times 8.20) + (10.00 \times 5.00)\} \times 1.50m$ = 118.68 cum		Us= 47.59
2.	Flat brick flooring with 1 <sup>st</sup> class bricks in cement mortar 1:4 (1 cement : 4 river sand)	Side - $2 \times \frac{(8.20 + 5.00)}{2} \times 2.25 m$ = 29.70 sqmt. Side - $2 \times \frac{(13.20 + 10.00)}{2} \times 2.25 m$ = 52.20 sqmt Bottom $1 \times 10.00 \times 5.00 m$ = 50.00 sqmt = 131.90 sqmt Brick - 32 Nos./sqmt. = 4221 Nos. Sand - 0.0021 Cum/Sqmt = 0.277 Cum Cement - 0.80 Kg/sqmt = 106 Kg = 2.11 bag	Brick- 4221 Nos. Sand - 0.31 cum Cement - 2.5 bag.	S.K. = 12.26 Nos. U.S - 22.35 Nos.
3.	Providing and laying 500 micron U. V Flime over the Brick lining area in/c proper joining of the flime with appropriate technology.	Short Side Wall - $2 \times \frac{(8.20 + 5.00)}{2} \times (2.25 + 0.50)$ m = 36.30 mtr. Long Side Wall:- $2 \times \frac{(13.20 + 10.00)}{2} \times (2.25 + 0.50)$ m = 63.80 sqmt Bottom :- $1 \times (10.00 + 0.10) \times (5.00 + 0.10)$ = 51.51 sqmt = 151.61 sqmt Say 152.00 mtr. i) 500 Micron UV flime = 152 sqmt	U. V. Flime = 152 sqmt.	S.K = 5 Nos. U.S = 4 Nos.

**Note:-** This is a model estimate . As per site condition, measurement of work will be taken into consideration for actual execution and accordingly, recorded in MB/Field book and wages component to be fixed for corresponding volume of work for generation of FTO.

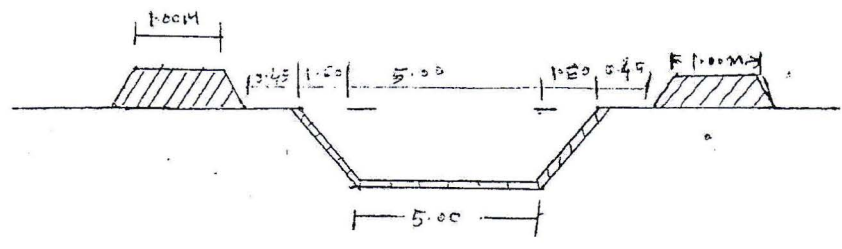
5/11/2016

Junior Engineer  
O/O the superintending Engineer  
Department of agriculture

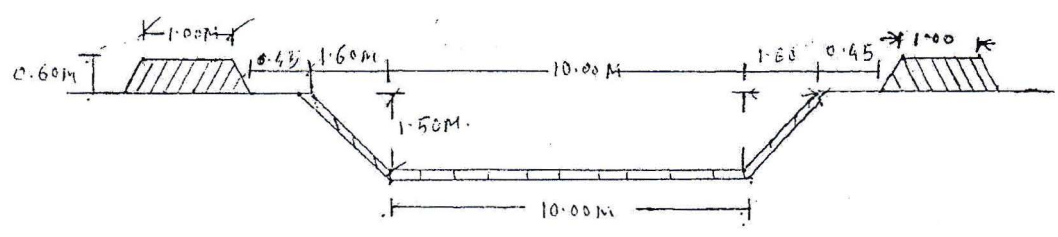
11.1.16

Executive Engineer  
O/O the superintending Engineer  
Department of Agriculture

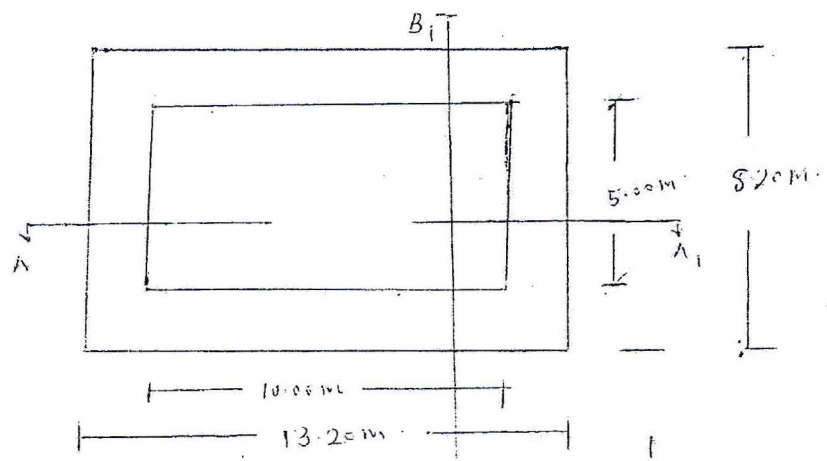
Detail of work :- Model drawing for construction water storage structure on ground with U.V. Film over brick lining work at different places in Tripura under MGNREGA during 2015-16.



CROSS SEC AT BB<sub>1</sub>



CROSS SEC AT AA<sub>1</sub>



14.1.16  
15.10.16